

PATENT ABSTRACTS OF JAPAN

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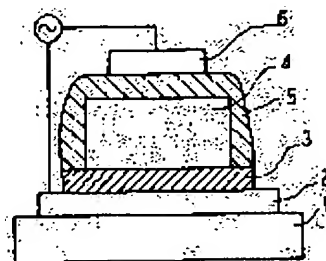
DEGUCHI KOJI

(54) ELECTROLUMINESCENCE ELEMENT

(57)Abstract:

PURPOSE: To obtain an electroluminescence element with little aging deterioration of luminance and excellent in long-term reliability by forming the side of an insulating layer in contact with a luminescent layer with a fluoride of an alkaline earth element which is a constituting element of the luminescent layer.

CONSTITUTION: In an electroluminescence element provided with a transparent electrode 2, an insulating layer 3, and a luminescent layer 4 on a substrate 1, the luminescent layer 4 is formed with a alkaline earth chalcogenide as a base material, and the side of the insulating layer at least in contact with the luminescent layer 3 is formed with a fluoride of an alkaline earth element which is a constituting element of the luminescent layer 4. These alkaline earth fluoride insulating layers are formed by thin film forming methods such as sputtering, ion plating, EB deposition, MOCVD. A stable electroluminescence element with little aging change of the luminescent luminance can be thereby obtained.



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